

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P02/049-bzgs	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.	
International application No. PCT/EP 03/ 03580	International filing date (day/month/year) 07/04/2003	(Earliest) Priority Date (day/month/year) 09/04/2002
Applicant MERCK PATENT GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☒ furnished subsequently to this Authority in written form.

☒ furnished subsequently to this Authority in computer readable form.

☒ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☒ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03580

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K16/42 C07K16/46 A61K39/395

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 52976 A (BIOVATION LTD ;CARR FRANCIS J (GB)) 26 November 1998 (1998-11-26) cited in the application example 3	1-7
X	WO 97 34636 A (HANSEN HANS ;LEUNG SHUI ON (US); IMMUNOMEDICS INC (US); LOSMAN MIC) 25 September 1997 (1997-09-25) page 24, line 1 -page 26, line 10 -/--	1-7

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed.

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

15 September 2003

Date of mailing of the international search report

29/09/2003

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03580

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DURRANT L G ET AL: "HUMAN ANTI-IDIOTYPIC ANTIBODIES CAN BE GOOD IMMUNOGENS AS THEY TARGET FC RECEPTORS ON ANTIGEN-PRESENTING CELLS ALLOWING EFFICIENT STIMULATION OF BOTH HELPER AND CYTOTOXIC T-CELL RESPONSES" INTERNATIONAL JOURNAL OF CANCER, NEW YORK, NY, US, vol. 92, no. 3, 1 May 2000 (2000-05-01), pages 414-420, XP001041422 ISSN: 0020-7136 cited in the application the whole document ---	1-24
A	WO 97 32021 A (DURRANT LINDY GILLIAN ;ROBINS RICHARD ADRIAN (GB); SPENDLOVE IAN () 4 September 1997 (1997-09-04) cited in the application page 7, line 11 - line 34 page 13, line 7 - line 23 ---	8,9,18, 23
P,A	WO 02 058728 A (DURRANT LINDA GILLIAN ;ROBINS ADRIAN (GB); PARSONS TINA (GB); SCAN) 1 August 2002 (2002-08-01) example 5 -----	8,9,18, 23

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/03580

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9852976	A	26-11-1998	AU 736549 B2	02-08-2001
			AU 7539398 A	11-12-1998
			EP 0983303 A1	08-03-2000
			WO 9852976 A1	26-11-1998
			GB 2339430 A	26-01-2000
			JP 2002512624 T	23-04-2002
			US 2003153043 A1	14-08-2003
WO 9734636	A	25-09-1997	AU 2342897 A	10-10-1997
			CA 2250080 A1	25-09-1997
			EP 0939653 A1	08-09-1999
			JP 2000511403 T	05-09-2000
			WO 9734636 A1	25-09-1997
WO 9732021	A	04-09-1997	AU 2225297 A	16-09-1997
			WO 9732021 A1	04-09-1997
WO 02058728	A	01-08-2002	WO 02058728 A2	01-08-2002